© 2004. All rights reserved.
Black Box Corporation.

BLACK BOX® NETWORK SERVICES

Black Box Corporation • 1000 Park Drive • Lawrence, PA 15055-1018 • Tech Support: 724-746-5500 • **www.blackbox.com** • **e-mail: info@blackbox.com**

ASYNC SHORT-HAUL MODEM-B PLUS

Break the RS-232 distance barrier—drive data up to 4 miles (6.4 km)!

Key Features

- ***Drive data up to 4 miles (6.4 km) at 2.4 kbps!***
- ***Supports speeds up to 115.2 kbps.***
- ***Versatile and powerful.***
- ***External DTE/DCE and flow control switches.***
- ***Screw-terminal and RJ-11 connectors included.***
- ***DB9-to-DB25 cable and adapter included.***
- ***Lightweight and compact.***
- ***Quick-connect power supply.***

Break the RS-232 distance barrier with the Async Short-Haul Modem-B Plus. Drive data up to 4 miles (6.4 km)!

Perfect for a variety of applications, including office, industry, and data center, the short-haul modem gives you speed, versatility, and power.

The short-haul modem supports speeds up to 115.2 kbps for fast data transfer.

And it's compact and easy to install. You never have to open the case, thanks to external DTE/DCE and flow-control switches.

It works with your equipment's interfaces, too. Use either a screw terminal or an RJ-11 connector to attach twisted-pair cable to the short-haul modem. And we've also included your choice of serial-interface connectors—either DB25 or DB9—plus a DB9-to-DB25 cable that you can use for either interface with the included DB9-to-DB25 adapter.

The short-haul modem comes with a quick-connect 115-VAC wallmount power supply for easy power connections.

Typical distances over 24 AWG shielded twisted pair are given in the chart on the next page.

What's Included

- Async Short-Haul Modem-B Plus
- (1) 6-ft. (1.8-m) DB9 female to DB25 male cable
- (1) Adapter (serial) (DB9 male to DB25 female)
- User's manual

Specifications

Maximum Distance: 4 miles (6.4 km)

Operation: 4-wire, full-duplex

Speed: Up to 115.2 kbps

User Controls: (1) Normal/Loopback button

Interface: RS-232

Connectors: (1) DB25 female, (1) RJ-11 female, (1) 4-screw terminal block

Indicators: (2) LEDs: (1) TD, (1) RD

Power: 115 VAC, 60 Hz ±10% (wallmount), 5 watts

Size: 1.5"H x 5.2"W x 5.2"D (3.8 x 13.2 x 13.2 cm)

Speedy, convenient, and versatile, this short-haul modem's perfect for office, industry, or data-center applications. See the diagrams at right.

Technically Speaking

With the Async Short-Haul Modem-B Plus, you can get distances of up to 4 miles (6.4 km). Of course, maximum distances depend on the wire gauge of the twisted-pair cable you're using and the data rate of your connection. Typical speeds that you can achieve using 24 AWG cable are shown for various speeds in Table 1 below.

NOTE: The speeds and distances described in Table 1 are based on using 24 AWG unshielded twisted-pair cable. Actual distances may vary.

The short-haul modem also features an improved power-supply jack for easy plug-in, and built-in optical isolation for extra safety.

Figure 1. Office application.

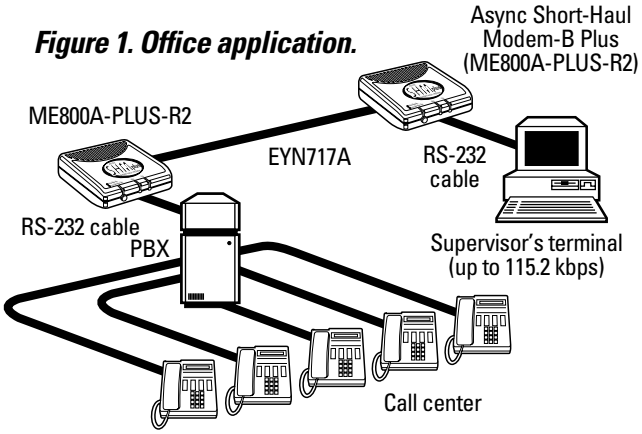


Figure 2. Industry application.

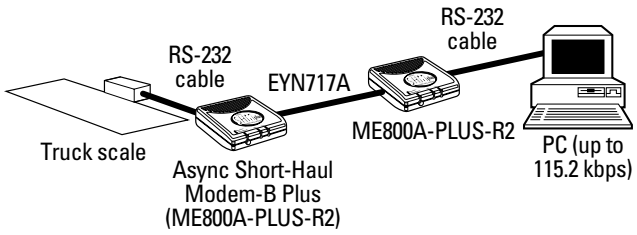


Table 1. Speed/distances for 24-AWG cable.

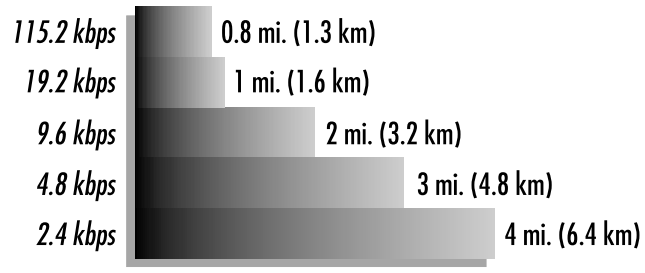
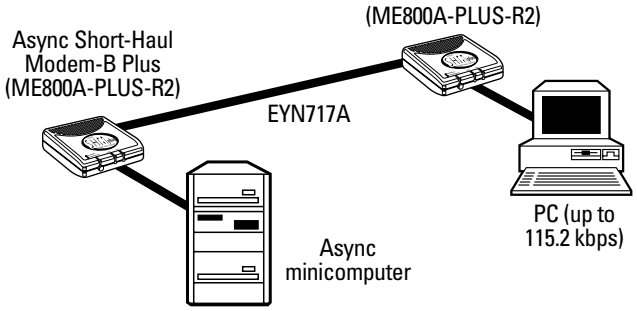


Figure 3. Data-center application.



Black Box offers the best warranty program in the industry—Fido Protection®. For more information, request **FaxBack 22512**.

Ordering Information

ITEM	CODE
Async Short-Haul Modem-B Plus	ME800A-PLUS-R2
Remember to order cable…	
Bulk Category 5 Solid-Conductor Cable, 2-Pair, PVC, Custom Lengths	EYN717A